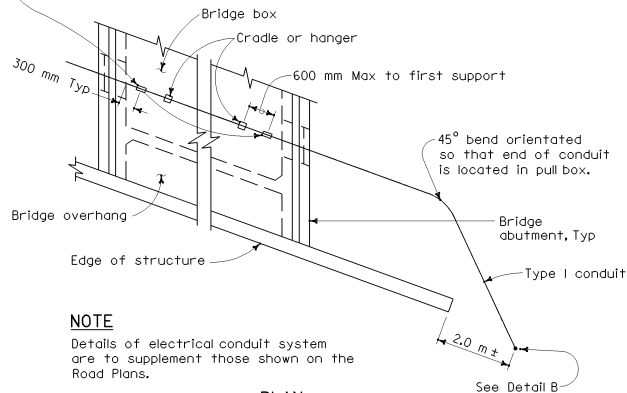


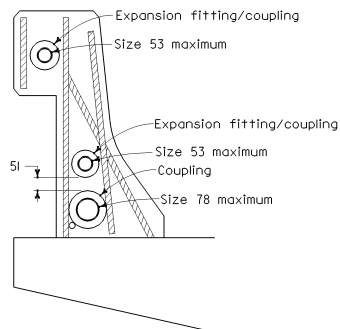
Conduit expansion fitting. See Standard Plan ES-9B Detail X. Provide for a minimum movement or 38 mm (1+3 mm) at each abutment where no expansion joints are located. Other expansion assemblies shall provide movements according to adjacent expansion joint size. Supports are to be located 600 mm maximum each side of expansion assemblies.



#### NOTE

Details of electrical conduit system are to supplement those shown on the Road Plans.

### PLAN COMMUNICATION OR SPRINKLER CONTROL CONDUITS

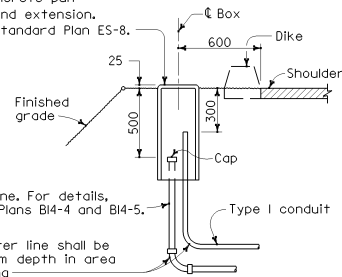


### CONDUIT IN BRIDGE RAILING

#### NOTES

- The maximum conduit sizes shown are for a straight run across the bridge without pull boxes.
- In a bridge railing with lighting standards or pull boxes, reduce size of affected conduits as needed.

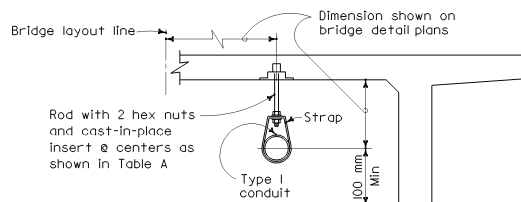
#5 Concrete pull box and extension. See Standard Plan ES-8.



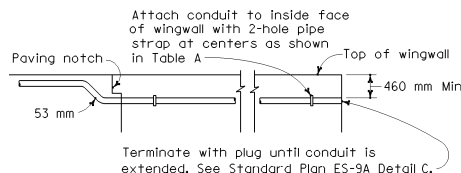
### DETAIL B

Water supply line. For details, see Standard Plans B14-4 and B14-5.

Conduit or water line shall be 1400 mm minimum depth in area of guard railing

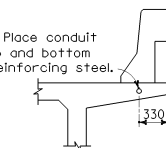


### OTHER THAN BOX GIRDER CONDUIT HANGER SUPPORT DETAILS



### CONDUIT IN OVERHANG-WINGWALL DETAIL

Size 53 Max Place conduit between top and bottom layers of reinforcing steel.



### CONDUIT IN OVERHANG

### CONDUIT LOCATIONS

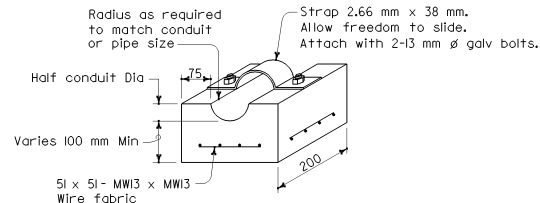
(For 53 mm conduit only except as noted)  
For location see Bridge Detail plans.

TABLE A

Conduit	Size 63 or less	Size 78	Size 91
Rod	10 mm Ø	13 mm Ø	16 mm Ø
Strap	2.28 mm x 25.4 mm	2.28 mm x 25.4 mm	2.66 mm x 38 mm
Support spacing	3.05 m	3.05 m	3.05 m



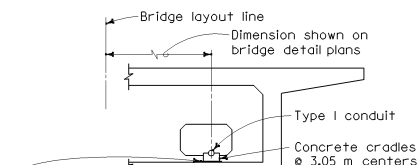
DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET TOTAL NO. SHEETS
<p><b>Caltrans</b> <b>Metric</b></p> <p><i>Assured to provide</i> REGISTERED ELECTRICAL ENGINEER</p> <p>July 1, 2004 PLANS APPROVAL DATE</p> <p>The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.</p> <p>To get to the Caltrans web site, go to: <a href="http://www.dot.ca.gov">http://www.dot.ca.gov</a></p>				



#### NOTES

- Cradles to be precast concrete.
- Secure all cradles to bottom slab of bridge with epoxy adhesive, except as provided below.

### CONCRETE CRADLE



Under the first cradle support inside bridge near abutment or hinge, epoxy 12 gage galvanized steel sheet (800 mm x 400 mm) to the floor of cell. Do not secure cradle to steel sheet. Cradle shall be free to slide to accommodate lateral movement.

### BOX GIRDER CONDUIT SUPPORT DETAILS

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

## COMMUNICATION AND SPRINKLER CONTROL CONDUITS (CONDUIT LESS THAN SIZE 103)

NO SCALE  
ALL DIMENSIONS ARE IN  
MILLIMETERS UNLESS OTHERWISE SHOWN